

SEARCH REQUEST FORM

Requestor's Name: _____ Serial Number: 79491
Date: _____ Phone: _____ Art Unit: _____

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

Jan Delaval
Reference Librarian
Biotechnology & Chemical Library
CM1 1E07 - 703-308-4498
jan.delaval@uspto.gov

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Date completed: 11/5/02
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Terminal time: _____
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☒ N.A. Sequence
☒ A.A. Sequence
____ Structure
____ Bibliographic

Vendors

☒ IG
____ STN
____ Dialog
____ APS
____ Geninfo
____ SDC
____ DARC/Questel
____ Other

79491
Delaval, Jan

From: Roark, Jessica
Sent: Tuesday, November 05, 2002 2:44 PM
To: Delaval, Jan
Subject: 09/509,283

Jan,

removal
Please update the issued and pending files for the following from 09/509283:

SEQ ID NO:2.

Results on paper please.

Thanks!

Jessica H. Roark

CM1 8A03
Mailbox 9E12
Art Unit 1644
703 605-1209

Jan Delaval
Reference Librarian
Biotechnology & Chemical Library
CM1 1E07 - 703-308-4498
jan.delaval@uspto.gov

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OM protein - protein search, using sw model

Run on: November 5, 2002, 14:45:25 Search time 13 Seconds
(without alignments)
373.899 Million cell updates/sec

Title: US-09-509-283b-2

Perfect score: 1082
Sequence: 1 MKSGLMYFFELCRIVKLTG.....YMFRAVNTAKSRITDVTL 199

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 231628 seqs, 24425594 residues

TC number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

Issued_Patents_AA:*
1: /cgn2-6/ptodata/1/1aa/5A-COMB.pep:*
2: /cgn2-6/ptodata/1/1aa/5B-COMB.pep:*
3: /cgn2-6/ptodata/1/1aa/6A-COMB.pep:*
4: /cgn2-6/ptodata/1/1aa/6B-COMB.pep:*
5: /cgn2-6/ptodata/1/1aa/PTCUTS-COMB.pep:*
6: /cgn2-6/ptodata/1/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	163	15.1	218	3	US-08-228-208A-20
2	146.5	13.5	225	1	US-08-505-058-4
3	146.5	13.5	225	2	US-08-459-818-24
4	146.5	13.5	225	2	US-08-889-666-24
5	146.5	13.5	225	2	US-08-465-078-24
6	146.5	13.5	225	2	US-08-725-776-24
7	146.5	13.5	225	2	US-08-488-062-24
8	140	12.9	218	3	US-08-228-208A-19
9	134.5	12.4	220	3	US-08-228-208A-21
10	134	12.4	225	1	US-08-505-058-3
11	134	12.4	225	2	US-08-459-818-23
12	134	12.4	225	2	US-08-889-666-23
13	134	12.4	225	2	US-08-465-078-23
14	134	12.4	225	2	US-08-725-776-23
15	134	12.4	225	2	US-08-488-062-23
16	126	11.6	223	1	US-08-505-058-5
17	126	11.6	223	2	US-08-459-818-25
18	126	11.6	223	2	US-08-889-666-25
19	126	11.6	223	2	US-08-465-078-25
20	126	11.6	223	2	US-08-725-776-25
21	126	11.6	223	2	US-08-488-062-25
22	120.5	11.1	367	4	US-08-630-172-19
23	120.5	11.1	367	4	US-09-375-419-19
24	119.5	11.0	134	4	US-08-630-172-3
25	119.5	11.0	134	4	US-09-375-419-3
26	110.5	10.2	110	4	US-09-460-384-33
27	93	8.6	221	3	US-08-228-208A-22

28	89.5	8.3	117	2	US-08-529-8788-39	Sequence 39, Appl
29	87	8.0	330	2	US-08-332-562A-81	Sequence 81, Appl
30	87	8.0	330	2	US-08-332-562A-134	Sequence 134, Appl
31	86.5	8.0	209	4	US-09-430-503-20	Sequence 20, Appl
32	84.5	7.8	209	4	US-09-430-503-18	Sequence 18, Appl
33	84.5	7.8	209	4	US-09-430-503-24	Sequence 24, Appl
34	84	7.8	223	3	US-08-228-208A-17	Sequence 17, Appl
35	84	7.8	283	2	US-08-332-562A-136	Sequence 136, Appl
36	82.5	7.6	209	4	US-09-430-503-22	Sequence 22, Appl
37	81.5	7.5	187	1	US-08-067-684-14	Sequence 14, Appl
38	81.5	7.5	187	1	US-08-008-898-14	Sequence 14, Appl
39	81.5	7.5	187	2	US-08-459-818-14	Sequence 14, Appl
40	81.5	7.5	187	2	US-08-889-666-14	Sequence 14, Appl
41	81.5	7.5	187	2	US-08-455-078-14	Sequence 14, Appl
42	81.5	7.5	187	2	US-08-725-776-14	Sequence 14, Appl
43	81.5	7.5	187	2	US-08-488-062-14	Sequence 14, Appl
44	81.5	7.5	187	3	US-08-228-208A-14	Sequence 14, Appl
45	81.5	7.5	187	5	PCT-US95-06726-36	Sequence 36, Appl

ALIGNMENTS

RESULT 1
US-08-228-208A-20
Sequence 20, Application US/08228208A
Patent No. 6090914
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Dangle, Milton K.
APPLICANT: Brady, William
APPLICANT: Wallace, Philip M.
TITLE OF INVENTION: CT1A4/CD281g HYBRID FUSION
TITLE OF INVENTION: PROTEINS AND USES THEREOF
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Boulevard, Suite 400
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/228,208A
FILING DATE: 15-Apr-1994
CLASSIFICATION: 435
Prior Application DATA:
APPLICATION NUMBER: 08/008,898
FILING DATE: 22-JAN-1993
APPLICATION NUMBER: 07/723,617
FILING DATE: 27-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 50436-30US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310 445-1140
TELEFAX: 310 445-9031
TELEX:
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-228-208A-20

Query Match 15.1%; Score 163; DB 3; Length 218;
Best Local Similarity 26.5%; Pred. No. 3e-11;
Matches 41; Conservative 31; Mismatches 65; Indels 18; Gaps 7;

QY 30 MEFHNGVQIICKYPD--IVQOFKMKLLKGGQILCDLTKTKSGNTVSIKSLK-----F 82
DB 29 LLYVDNNEVSLSCRYSYNLAKFRASLYKG--VNSDVEVCVGNFTYQOPFRPVGPN 86
QY 83 CHSOLSNNSVSFFLYNLDSHANYFCNLSTDPDPF--KVTLTGGYLIHYESQLC---C 137
DB 87 CGNPFNEVTFRLMNDVNHHTDIYFCKIEVMPPPYLDNEKSNGTIIHKEKHLCHAOT 146
QY 138 QLKFWLPIGCAAFVYVC--ILGCLILC--WLTFRKK 168
DB 147 SPKLEWPLVYVAGVLLCYGLTYVTLCIITWNSRR 181

RESULT 2

1-505-058-4
Invention 4, Application US/08505058
Patent No. 5773253
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Peach, Robert
TITLE OF INVENTION: CTLA4 Mutant Molecules and Uses Thereof
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/505,058
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/228,208
FILING DATE: 15-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436.300511
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ. ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-505-058-4

Query Match 13.5%; Score 146.5; DB 1; Length 225;
Best Local Similarity 26.2%; Pred. No. 2.7e-09;
Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;

QY 30 MEFHNGVQIICKYPD--IVQOFKMKLLKGGQILCDLTKTKSGNTVSIKSLK----- 81
DB 30 LLYVDNNEVSLSCRYSYNLAKFRASLYKG--VNSDVEVCVGNFTYQOPFRPVNG 87
QY 82-FCBSOLSNNSVSFFLYNLDSHANYFCNLSTDPDPF--KVTLTGGYLIHYESQLC-- 136
DB 82-FCBSOLSNNSVSFFLYNLDSHANYFCNLSTDPDPF--KVTLTGGYLIHYESQLC-- 136

DB 88 FNCDFNEVTFRLMNDVNHHTDIYFCKIEVMPPPYLDNEKSNGTIIHKEKHLCHA 147
QY 137 ----COLKFWLPIGCAAFVYVC--ILGCLILC--WLTFRKK 168
DB 148 XXXOTSPKLEWPLVYVAGVLLCYGLTYVTLCIITWNSRR 187

RESULT 3

US-08-459-818-24
Sequence 24, Application US/08459818
Patent No. 5851795
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Dame, Nitin K.
TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FastSeq 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,818
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436.350502
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ. ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-459-818-24

Query Match 13.5%; Score 146.5; DB 2; Length 225;
Best Local Similarity 26.2%; Pred. No. 2.7e-09;
Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;

QY 30 MEFHNGVQIICKYPD--IVQOFKMKLLKGGQILCDLTKTKSGNTVSIKSLK----- 81
DB 30 LLYVDNNEVSLSCRYSYNLAKFRASLYKG--VNSDVEVCVGNFTYQOPFRPVNG 87
QY 82-FCBSOLSNNSVSFFLYNLDSHANYFCNLSTDPDPF--KVTLTGGYLIHYESQLC-- 136
DB 88 FNCDFNEVTFRLMNDVNHHTDIYFCKIEVMPPPYLDNEKSNGTIIHKEKHLCHA 147
QY 137 ----COLKFWLPIGCAAFVYVC--ILGCLILC--WLTFRKK 168
DB 148 XXXOTSPKLEWPLVYVAGVLLCYGLTYVTLCIITWNSRR 187

RESULT 4

US-08-889-666-24
Sequence 24, Application US/08889666
Patent No. 5885579
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.

SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/725,776
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/375390
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-35US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: Linear
MOLECULE TYPE: protein
US-08-725-776-24

Query Match 13.5%; Score 146.5; DB 2; Length 225;
Best Local Similarity 26.2%; Pred. No. 2.7e-09;
Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;

QY 30 MFIFHNGVQIL-CKYPD--IVQOFKMLKGGQILCDLTKT-KSGNTVSIKSLK---- 81
DB 30 LLYVDNNEVXSLSCRYSYNLAKKEFRASLYKG--VNSDVXECVCGNGNFTYPOFRPNVG 87
QY 82 -FCHSOLSNNSVSFELYNLDSHANYFCNLSTFDPPF--KVTLTGGLHYESQLC-- 136
DB 88 FNCGDNFENETVFRMLNDVNHHTDLYFCKTEVMYPPYLDEKSNGTIIHKEKHLCHA 147
QY 137 ----COLKFWLPICGAFAVVC--ILGCIILIC--WLTKKK 168
DB 148 XXXOTSPKLFWPLVYVAGVILCGLYTTLCTIWTNSRR 187

RESULT 7
US-08-488-062-24
Sequence 24, Application US/08488062
Patent No. 5977318
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Brady, William
APPLICANT: Damle, Nitin K.
TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,062
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/375390
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:

NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-35US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: Linear
MOLECULE TYPE: protein
US-08-488-062-24

Query Match 13.5%; Score 146.5; DB 2; Length 225;
Best Local Similarity 26.2%; Pred. No. 2.7e-09;
Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;

QY 30 MFIFHNGVQIL-CKYPD--IVQOFKMLKGGQILCDLTKT-KSGNTVSIKSLK---- 81
DB 30 LLYVDNNEVXSLSCRYSYNLAKKEFRASLYKG--VNSDVXECVCGNGNFTYPOFRPNVG 87
QY 82 -FCHSOLSNNSVSFELYNLDSHANYFCNLSTFDPPF--KVTLTGGLHYESQLC-- 136
DB 88 FNCGDNFENETVFRMLNDVNHHTDLYFCKTEVMYPPYLDEKSNGTIIHKEKHLCHA 147
QY 137 ----COLKFWLPICGAFAVVC--ILGCIILIC--WLTKKK 168
DB 148 XXXOTSPKLFWPLVYVAGVILCGLYTTLCTIWTNSRR 187

RESULT 8
US-08-228-208A-19
Sequence 19, Application US/08228208A
Patent No. 6090914
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Damle, Nitin K.
APPLICANT: Brady, William
APPLICANT: Wallace, Philip M.
TITLE OF INVENTION: CTLA4/CD28lg HYBRID FUSION
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Boulevard, Suite 400
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/228,208A
FILING DATE: 15-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/008,898
FILING DATE: 22-JAN-1993
APPLICATION NUMBER: 07/723,617
FILING DATE: 27-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-30US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310 445-1140
TELEFAX: 310 445-9031

```

      TELE:
      INFORMATION FOR SEQ ID NO: 19:
      SEQUENCE CHARACTERISTICS:
      LENGTH: 218 amino acids
      TYPE: amino acid
      STRANDEDNESS: unknown
      TOPOLOGY: linear
      MOLECULE TYPE: protein
      US-08-228-208A-19

Query Match          12.9%; Score 140; DB 3; Length 218;
Best Local Similarity 25.7%; Pred. No. 1.5e+08;
Matches 39; Conservative 24; Mismatches 61; Indels 28; Gaps 7

QY   38 VOILKRPD--IVQFKMQLKGGOILDLYTKSGNTVTSKSLF-----CHSOLSN 90
      |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db    37 VLSGRYSNYLAKEPFRASLYKG--VNSDYEVCGNGNFTYOPOFRSNAEFNCDDGFNE 94
      ::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

QY   91 SVSFCLYNLDHSHANYFCNLSDPPPE--KVTLGGLHYESDL----CQLKWLP 144
      :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Dr-   95 TVTFELMLHVHTDIYFCKIEFMTPPLDNRSGTIIHKHLCHTOSSPKLF-- 152
      :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|

QY   145 IGCFAFVVCIIGC-----ILICWLTKRK 168
      |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db    153 ---ALYVAGVLFCYGLVTVALCVITWNSRR 181
      ::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

RESULT 9
US-08-228-208A-21
Sequence 21, Application US/08228208A
Patent No. 6090914
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Damele, Nitin K.
APPLICANT: Brady, William
APPLICANT: Wallace, Philip M.
TITLE OF INVENTION: CTLA4/CDB2lg HYBRID FUSION
TITLE OF INVENTION: PROTEINS AND USES THEREOF
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 1150 Santa Monica Boulevard, Suite 400
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/228,208A
FILING DATE: 15-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/008,898
FILING DATE: 22-JAN-1993
APPLICATION NUMBER: 07/723,617
FILING DATE: 27-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-30US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310 445-1140
TELEFAX: 310 445-9031
TELEX:
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 220 amino acids
TYPE: amino acid

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STRANDEDNESS: unknown
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-228-208A-21

Query Match      12.4%: Score 134.5; DB 3; Length 220;
Best Local Similarity 25.4%; Pred. No. 6.8e-08;
Matches 44; Conservative 30; Mismatches 74; Indels 25; Gaps 7

QY 30 MEFHNGGVOLICKYPD--IVQQFQMQLKGGOILCDLTKTGSGN---TVSIRSLKFC 84
| : : : | | | : : : | | | : : : | : : |
DB 28 MLVATDNMYNLSCCKSYNFLSEREFASLHKGLDSAVEVCVYGNTSQDLQVSKTGFNC 87
| : : : | | | : : : | : : | : : : | : : |
QY 85 SLSNNVSVEFLYNIDSHANYFCNLSIEDPPF--KVLTGVLHIYESQLCCQLKFW 142
| : : : | | | : : : | : : | : : : | : : |
DB 88 GKLGNESTVFYLQNLYNOTDIYFKIEVMYPPPLDNEKSNGTIIHVXGHLCPSLPF- 146
| : : : | | | : : : | : : | : : : | : : |
QY 143 LPIGCAAVVICIICILIC-----WLRKKYSSVHDPNGEYMFM 183
| : : : | | | : : : | : : | : : : | : : |
DB 147 -PGSPKPWLVLVVGVLACYSLLTYVAIFIFWRKR-SRLIH---SDYMM 194
| : : : | | | : : : | : : | : : : | : : |

RESULT 10
US-08-505-058-3
Sequence 3, Application US/08505058
Patent No. 5773253
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Peach, Robert
TITLE OF INVENTION: CTLA4 Mutant Molecules and Uses Thereof
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/505,058
FILING DATE:

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/228,208
FILING DATE: 15-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436.30US11
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEX: 310-445-9031
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-505-058-3

Query Match      12.4%: Score 134; DB 1; Length 225;
Best Local Similarity 23.0%; Pred. No. 8e-08;
Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8

QY 11 FCLRIKVLGEISANYEMFIHNHGVOILCKYPD--IVQFFQMQLKGGOILCDLTKT 68
| : : : | | | : : : | : : | : : : | : : |

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Db 12 FFXSVQVTEKILVKOSPLLYVDSNEVXSLSCRYSNLAKERFASLYKG--VNSDVXEV 69
QY 69 -KSGSNTVYSIKSLKF-----CHSOLSNNSVSFFLYNLDSHANYFCNLSIFDPPPF--K 120
Db 70 CVGNGNFTYQPOFRSNAEFNCDDFDETVTFRLMNLHVHTDLYFCCKIEFMYPPEYLDN 129
QY 121 VTLTGGYLHIYESOLC-----COLKFWLPIGCAFAVVCILGC-----ILICWLT 165
Db 130 ERSNCTIHIHKEKHLCHTXXKXSSPKLFW-----ALYVAGVLCYGLLVYALCVIWTN 184
QY 166 KKK 168
Db 185 SRR 187

RESULT 11
US-08-459-818-23
; Sequence 23, Application US/08459818
; Patent No. 5851795
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Damle, Nitin K.
APPLICANT: Brady, William
TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FastSeq 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,818
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436.35US02
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-459-818-23

Query Match 12.4%; Score 134; DB 2; Length 225;
Best Local Similarity 23.0%; Pred. No. 8e-08;
Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8;

QY 166 KKK 168
Db 185 SRR 187

RESULT 12
US-08-889-666-23
; Sequence 23, Application US/08889666
; Patent No. 588579
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Damle, Nitin K.
APPLICANT: Kiener, Peter A.
TITLE OF INVENTION: CTLA4 Receptor and Uses thereof
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/889,666
FILING DATE: 08-JUL-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/375390
FILING DATE: 18-JAN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-35US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-889-666-23

Query Match 12.4%; Score 134; DB 2; Length 225;
Best Local Similarity 23.0%; Pred. No. 8e-08;
Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8;


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RESULT 13
US-08-465-078-23
; Sequence 23, Application US/08465078
; Patent No. 5885796
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; APPLICANT: Kiener, Peter A.
; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,078
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/375390
; FILING DATE: 18-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-35US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-445-1140
; TELEFAX: 310-445-9031
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 225 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-465-078-23

Y Match 12.4%; Score 134; DB 2; Length 225;
; Local Similarity 23.0%; Pred. No. 8e-08;
Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8;

QY 11 FCLRIKVLTEGINSANYEMFIHNGVQILCKYPD--IYQOFKMLKGGQILCDLTKT 68
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 12 FFXSVQVTEKNIKLVKQSPLLYVDSEVXSLSCRYNLAKEFRASLYKG--VNSDVXEV 69
QY 69 -KGSNGTVSISLKF-----CHSOLSNNSVSFPLYNLDSHANYFCNLSIFDPPPF--K 120
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 70 CVGNGNFTYQOPFRSNMFEKDDGDFDNETVTRLMNLHVNHDIYCKIEFMPPPYLDN 129
QY 121 VTLGGVLIHYESQLC-----COLKFWLPIGCAAFVVCILGC-----ILICMLT 165
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 130 ERSNGTIIHIKEKHCHTXXKXSSPKLFW-----ALYVAVGLFCYGLLVVALCVIWTN 184
QY 166 KKK 168
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 185 SRR 187

RESULT 14
US-08-725-776-23
; Sequence 23, Application US/08725776
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```
; Patent No. 5968510
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; APPLICANT: Kiener, Peter A.
; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/725,776
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/375390
; FILING DATE: 18-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-35US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-445-1140
; TELEFAX: 310-445-9031
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 225 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-725-776-23

Query Match 12.4%; Score 134; DB 2; Length 225;
Best Local Similarity 23.0%; Pred. No. 8e-08;
Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8;

QY 11 FCLRIKVLTEGINSANYEMFIHNGVQILCKYPD--IYQOFKMLKGGQILCDLTKT 68
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 12 FFXSVQVTEKNIKLVKQSPLLYVDSEVXSLSCRYNLAKEFRASLYKG--VNSDVXEV 69
QY 69 -KGSNGTVSISLKF-----CHSOLSNNSVSFPLYNLDSHANYFCNLSIFDPPPF--K 120
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 70 CVGNGNFTYQOPFRSNMFEKDDGDFDNETVTRLMNLHVNHDIYCKIEFMPPPYLDN 129
QY 121 VTLGGVLIHYESQLC-----COLKFWLPIGCAAFVVCILGC-----ILICMLT 165
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 130 ERSNGTIIHIKEKHCHTXXKXSSPKLFW-----ALYVAVGLFCYGLLVVALCVIWTN 184
QY 166 KKK 168
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 185 SRR 187

RESULT 15
US-08-488-062-23
; Sequence 23, Application US/08488062
; Patent No. 5977318
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
```

APPLICANT: Brady, William
 APPLICANT: Kiener, Peter A.
 TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merchant & Gould
 STREET: 1150 Santa Monica Blvd., Suite 400
 CITY: Los Angeles
 STATE: California
 COUNTRY: USA
 ZIP: 90025
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/488,062
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/375390
 FILING DATE: 18-JAN-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Adriano, Sarah B.
 REGISTRATION NUMBER: 34,470
 REFERENCE/DOCKET NUMBER: 30436-35US01
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310-445-1140
 TELEFAX: 310-445-9031
 INFORMATION FOR SEQ ID NO: 23:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 225 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-488-062-23

	Query Match	12.4%	Score 134;	DB 2;	Length 225;	
	Best Local Similarity	23.0%;	Pred. No. 8e-08;			
	Matches	42;	Conservative	32;	Mismatches	77; Indels 32; Gaps
Oy	11	PLRLKVLVTGETINGSANTEMIFHNGVOAILCKYPD--IVQDFKMQLKGGOILCDLYMT	68			
		: : :	: : :	:	: : :	: : : : :
Db	12	FPSXVQVETENKLIVAKOSPLLVDNSEVXSLSCTRYSTNLAKFEFRASLTKG--VNSDVXEY	69			
		: : :	:	:	:	:
C	69	-KGSQNTVASIKSLKF-----CHSQLSNNSVSFPLYLDHSNANYECNLSIFDPPE--K	120			
		: :	:	: : : :	: : :	: :
Dc	70	CYGNGNFYTOPFPFRSAEFCNDGDDEPNENVYTRMLMHLAHNHDDIYCKIEFMTPPYLDN	129			
		: : :	:	:	:	:
Oy	121	VTLNGGLVIHYESQLC-----COLKFWLPIGCAFAVVVCILGC-----ILICWLT	165			
		: :	: :	:	: :	: :
Dd	130	ERSNSTGIHIHKELKHCHFTXXQSXPFLWF-----ALYVAGVLCYCGLLVTVALCVITMN	184			
		: :	:	:	:	:
Oy	166	KKK 168				
		: : :	:	:	:	:
Dd	185	SRR 187				

Search completed: November 5, 2002, 14:45:48
Job time : 14 secs